

**Sources Sought Notice for U.S. House of Representatives
House Committee Hearing Room Broadcast Modernization Program
SS06282006**

PURPOSE:

This SOURCES SOUGHT SYNOPSIS is not a solicitation, request for proposal, request for quote or invitation for bid; it is a market research tool. No proposals are being requested or accepted with this synopsis. Any responses submitted are strictly voluntary. The U.S. House of Representative will not pay for any information that is submitted by respondents to this request and any information submitted will belong to the U.S. House of Representatives.

INTRODUCTION:

The United States House of Representatives, Chief Administrative Office is seeking inputs from qualified sources relative to audio/video design development and independent verification and validation (IV&V). The IV&V is performed upon completion of the audio/video installation.

To be considered qualified for this effort, potential sources must demonstrate detailed knowledge and experience with each of the items listed below and should have five years of staff experienced in the successful installation of at least ten systems as described below:

- (1) Audio systems design experience that includes (a) the use of CobraNet audio networks and CobraNet-enabled devices, (b) use of Peavey MediaMatrix MWare and Nware, (c) custom DSP and graphical user interface programming of Peavey NWare and Mware, (d) production of custom Python scripts to allow the DSP to interact with external devices for monitoring and control purposes, (e) configuration of steerable loudspeakers/arrays, (f) design of amplifier control and monitoring systems, (g) design of fault tolerance and redundancy schemes to protect against component failure, (h) integration of a centralized monitoring system that constantly monitors all remote audio system components and detects faults, (i) integration of a centralized monitoring system that supports communications with both Peavey NWare and legacy MWare products, (j) development of software to allow technical staff to be notified immediately if the monitoring system detects any errors or faults, and (k) audio system troubleshooting and commissioning
- (2) Video/AV system installation experience that includes (a) the use of various display technologies (projection, flat screen monitors, etc.), (b) use of broadcast-quality camera systems, (c) design and set-up of "virtual monitor wall" production displays, (d) design of centralized camera control to facilitate communications/control of many remote camera systems from a single location, and (e) video system troubleshooting and commissioning
- (3) Ethernet network design experience that includes (a) the use of Ethernet networks for audio and control signal distribution, (b) design and configuration of network management and control systems using SNMP, (c) design of fault tolerance and redundancy schemes to protect against component failure, (d) use of VLANs, VLAN tagging, Spanning Tree, Layer 3 routing and VRRP/XRRP, (e) use of Power-Over-Ethernet switches to deliver power, audio, and control data over a single cable, and (f) Ethernet Network troubleshooting and commissioning
- (4) Control systems experience that includes the design of AMX/Crestron control systems.
- (5) Experience with "speaker timer" system design.

- (6)Experience in simultaneous language translation.
- (7)Experience in ADA compliant systems using both IR and inductive loop technologies.
- (8)Experience in designing systems to prevent RFI interference from GSM based products in a legislative environment.
- (9)Experience designing audio/video systems for the broadcast of events via an in-house recording studio.
- (10)Experience in designing, setting up, adjusting, and testing audio/video/control systems for use in dedicated hearing/conference rooms that use software and hardware that allow each room to be customized to meet the specific needs of the client.
- (11)Experience integrating audio/video/control systems and cabling in a manner that is cohesive with the architectural and historical esthetics of the client's facility.
- (12)Design experience that includes the inclusion of all of the above disciplines into a single cohesive system
- (13)Membership in professional audio/video organizations such as AES, ASA, NSCA, ICIA or SynAudCon.

RESPONSE:

Respondents should include information regarding their capabilities for technical solutions, components and implementation strategies as described above in writing by email no later than 2:00 PM EST July 28, 2006. Responses should be no more than 20 pages and include the name and telephone number of a point of contact having the knowledge to discuss responses with a U.S. House of Representative delegate. Responses should be emailed to toinetta.bridgeforth@mail.house.gov with a copy to Edwin.davis@mail.house.gov.

TELEPHONE OR EMAIL REQUESTS FOR ADDITIONAL INFORMATION WILL NOT BE HONORED.